



CLUSTA~1.TXT

CLUSTAL W (1.82) Multiple Sequence Alignments

SEQ ID NO:2: 2_HuPS1 467 aa
 SEQ ID NO:134: 134_HuPS1 467 aa
 SEQ ID NO:4: 4_MuPS1 461 aa

Sequences (2:134) Aligned. Score: 99
 Sequences (2:4) Aligned. Score: 89
 Sequences (134:4) Aligned. Score: 89

2_HuPS1	MTELPAPLSYFQNAQMSEDNHLSNTVRSQNDNRERQEHNDRRLGHPEPLSNGRPQGNSR	60
134_HuPS1	MTELPAPLSYFQNAQMSEDNHLSNTVRSQNDNRERQEHNDRRLGHPEPLSNGRPQGNSR	60
4_MuPS1	MTEIPAPLSYFQNAQMSEDHSSAIRSQNDQERQQHDRQRQLDNPEPISNGRPQNSR	60
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****	
2_HuPS1	QVVEQDEEEDEELTLKYGAKHVIMLFVPVTLCMVVVVATIKSVSFYTRKDQLIYTPFTE	120
134_HuPS1	QVVEQDEEEDEELTLKYGAKHVIMLFVPVTLCMVVVVATIKSVSFYTRKDQLIYTPFTE	120
4_MuPS1	QVVEQDEEEDEELTLKYGAKHVIMLFVPVTLCMVVVVATIKSVSFYTRKDQLIYTPFTE	120
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****	
2_HuPS1	DTETVGQRALHSILNAAIMISVIVVMTILLVVLYKYRCYKVIHAWLIISLLLLFFFSFI	180
134_HuPS1	DTETVGQRALHSILNAAIMISVIVVMTILLVVLYKYRCYKVIHAWLIISLLLLFFFSFI	180
4_MuPS1	DTETVGQRALHSILNAAIMISVIVIMTILLVVLYKYRCYKVIHAWLIISLLLLFFFSFI	180
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****	
2_HuPS1	YLGEVKTYNVAVDYITVALLIWNLVGVGMISIHKGPLRLQQAYLIMISALMALVFIKY	240
134_HuPS1	YLGEVKTYNVAVDYITVALLIWNFGVVGGMISIHKGPLRLQQAYLIMISALMALVFIKY	240
4_MuPS1	YLGEVKTYNV-VDYVTVALLIWNWGVVGGMIAIHKGPLRLQQAYLIMISALMALVFIKY	239
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****	
2_HuPS1	LPEWTAWLILAVISVYDLVAVLCPKGPLRMLVETAQERNETLFPALIYSSTMVWLVNMAE	300
134_HuPS1	LPEWTAWLILAVISVYDLVAVLCPKGPLRMLVETAQERNETLFPALIYSSTMVWLVNMAE	300
4_MuPS1	LPEWTAWLILAVISVYDLVAVLCPKGPLRMLVETAQERNETLFPALIYSSTMVWLVNMAE	299
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****	
2_HuPS1	GDPEAQRRVSKNSKYNAESTERESQDTVAENDDGGFSEWEAQRDHGPQRSTPESRAA	360
134_HuPS1	GDPEAQRRVSKNSKYNAESTERESQDTVAENDDGGFSEWEAQRDHGPQRSTPESRAA	360
4_MuPS1	GDPEAQRRVPKNPKYNTQRAERETQDSGSGNDDGGFSEWEAQRDHGPQRSTPESRAA	359
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2_HuPS1	VQELSSSILAGEDPEERGVKLGLDFIFYSVLVGKASATASGDWNTTIACFVAILIGLCL	420
134_HuPS1	VQELSSSILAGEDPEERGVKLGLDFIFYSVLVGKASATASGDWNTTIACFVAILIGLCL	420
4_MuPS1	VQELSGSILTEDPEERGVKLGLDFIFYSVLVGKASATASGDWNTTIAC-VAILIGLCL	418
	*****:*****:*****:*****:*****:*****:*****:*****:*****:*****	
2_HuPS1	TLLLLAIFKKALPALPISITFGLVFYFATDYLVQPFMDQLAFHQFYI	467
134_HuPS1	TLLLLAIFKKALPALPISITFGLVFYFATDYLVQPFMDQLAFHQFYI	467
4_MuPS1	-LLLLAIYKKGP--APISITFGFVF-FATDYLVQPFMDQLAFHQFYI	461
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